

## Format for Bio-Data



1. Name: Ajit Kumar (अजीत कुमार)
2. Date of Birth: 01-11-1962
3. Current Position and Address: Sr. Principal Scientist, Slope Stability Division  
(With E-mail & Phone no.) Room No.- 35, CIMFR, Barwa Road, Dhanbad  
Email: [ajitkumarcmriss@yahoo.co.in](mailto:ajitkumarcmriss@yahoo.co.in)  
Phone No.- 9431314424, 9771498808

### 4. Educational qualifications: (Graduation and above)

| Sl. No. | Degree/<br>Certificate | Year of<br>Passing | University/<br>Institute                       | Subjects                             |
|---------|------------------------|--------------------|--|--------------------------------------|
| i       | B. E. (Civil Engg.)    | 1987               | Birla Institute of Technology<br>Mesra, Ranchi | Civil Engg.                          |
| ii      | M. E.                  | 2006               | Birla Institute of Technology<br>Mesra, Ranchi | Soil Mechanics &<br>Foundation Engg. |

### 5. Work experience

| Designation        | Institution/company             | From       | To         | Nature of work   |
|--------------------|---------------------------------|------------|------------|--|
| i Assitt. Engineer | Sulabh International<br>Luchnow | 07.02.1990 | 29.10.1990 | Design, Drawing<br>and Supervision of<br>construction works<br>of buildings.   |
| ii Scientist       | CSIR-CIMFR<br>Dhanbad           | 30.10.1990 | Till date  | Slope Design and<br>Slope Stability Analysis,<br>Geotechnical exploration<br>and investigations,<br>Testing of building and<br>construction materials,<br>Precise surveying. |

6. Area of specialization: Slope Stability, Geotechnical investigations and sub-soil explorations, Precise surveying, Testing of building, roads and construction materials.

7. Honours/Awards received: N. A.

8. Fellowships/Scholarships: N. A.

9. No. of Research Publications:

- Papers in journals: 4 Nos.
- In conference proceedings: 20 Nos.
- Invited/key-note addresses: NIL
- List of best 05 publications:

- i. Development of fire resistant grout pack material for combating mine fire, Singh RVK and Kumar A.; IM & E J, August 1992, Pp. 51-54.
- ii. A. Kumar, J. K. Singh and V. K. Singh, Use of waste dump surface for construction of a mine workshop, Int. Conf. on Technology Management for Mining Processing and Environment (TMMPE-2000), Deptt. of Mining Engg., IIT Kharagpur, 1-3 Dec. 2000, pp. 129-135.
- iii. A. Kumar, J.K. Singh and V.K. Singh, "Design, Construction and Maintenance of Flexible Pavements", All India Seminar on "Development of Road Infrastructure in Jharkhand", June 29-30, 2002, Dhanbad, Organized by "The Institution of Engineers (India)", Dhanbad Local Chapter, pp. 153-160.
- iv. Kumar, A. and Singh, V. K.; Recent trends in high rise buildings – An outlook, 24<sup>th</sup> National Convection of Architectural Engineer & National Seminar on Recent trends in high rise buildings and environmental sustainability, Pune Local Centre – IE(I), 14-15, Nov 2008, P-III3.
- v. Kumar, A., Jhanwar J. C., Singh, V. K., and Singh J. K.; Fly ash and its utilization potential, International symposium on Coal Science, Technology, Industry, Business and Environment, CFRI, Dhanbad, Nov. 18-19, 1996, Pp.538-547.

10. Number of Books authored/edited: N A

11. (a) No. of Patents granted/applied for: N A  
(b) Technologies developed, Licensed and/or commercialized: N A

12. Foreign visits: Kyrgyz Republic in year 2007 for business development of CIMFR, Dhanbad.

13. Details of Professional memberships:

| Name of Professional Body  | Fellowship/Membership | Year |
|--|-----------------------|------|
| The Institution of Engineers (India),<br>Kolkata                           | Member                | 1996 |
| Indian Geotechnical Society, New<br>Delhi                                  | Member                | 1996 |
| Indian Society for Rock Mechanics<br>and Tunnelling Technology             | Life Member           | 1997 |
| The Mining, Geological and<br>Metallurgical Institute of India,<br>Kolkata | Member                | 1996 |

14. Major contributions:

Being a civil engineer, I have established laboratories for testing of physical and engineering properties of soils in laboratory and in field by established a modern and well-equipped Soil Mechanics Laboratory.

I have also established an Aggregate Testing Laboratory for testing facilities of fine and coarse aggregates for its suitability as building/ road/ construction materials, and also some testing facilities of cement, brick, concrete and bitumen for quality control purposes along with regular works in slope stability.

I had also developed facilities in our laboratory for geotechnical investigations and explorations of sub-surface soils for civil and mining engineering projects.

Slope stability analysis and slope design for economic and safe production of minerals in India.

15. Technologies and Products/ Services

N A

(i) Developed:

(ii) Licensed:

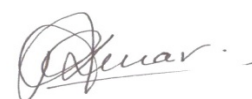
(iii) Commercialized:

16. Designs and Prototype Developed:

N A

17. Honours and awards won for technological contributions or sociological impact of R&D:

N A



Signature